Title (en)
SYSTEM AND METHOD FOR AUTOMATIC GENERATION OF INITIAL RADIATION TREATMENT PLANS

Title (de)
SYSTEM UND VERFAHREN ZUR AUTOMATISCHEN ERZEUGUNG VON ANFÄNGLICHEN STRAHLENBEHANDLUNGSPLÄNEN

Title (fr)
SYSTÈME ET PROCÉDÉ POUR LA GÉNÉRATION AUTOMATIQUE DE PLANS INITIAUX DE TRAITEMENT PAR RAYONNEMENT

Publication
EP 3242270 A1 20171108 (EN)

Application
EP 17169224 A 20111207

Priority
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Abstract (en)
A non-transitory computer-readable storage medium storing a set of instructions executable by a processor. The set of instructions is operable to receive a current patient medical image of a current patient, compare the current patient medical image to a plurality of previous patient medical images, each of the previous patient medical images corresponding to a previous patient, select one of the previous patients based on a geometric similarity between the previous patient medical image of the selected one of the previous patients and the current patient medical image, and determine an initial radiation treatment plan based on a radiation treatment plan of the selected one of the previous patients.

IPC 8 full level
G06T 7/00 (2017.01); **G06K 9/62** (2006.01)

CPC (source: EP RU US)
A61N 5/103 (2013.01 - EP US); **G06T 7/00** (2013.01 - RU); **G06T 7/0012** (2013.01 - EP RU US); **G06T 7/97** (2016.12 - RU); **G16H 20/40** (2017.12 - EP US); **G16H 30/20** (2017.12 - EP US); **G16H 50/20** (2017.12 - EP); **G16H 50/70** (2017.12 - EP US); A61N 2005/1041 (2013.01 - EP US); B01D 17/0211 (2013.01 - RU); B01J 19/0093 (2013.01 - RU); G06T 2207/30016 (2013.01 - EP US)

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